

WHAT IS CLAIMED IS:

1. An image processing apparatus comprising mode setting means for setting one of a first mode, in which color image data and monochrome image data are stored as document image data in a memory medium, and a second mode, in which the monochrome image data is stored as the document image data in the memory medium.

2. An image processing apparatus according to Claim 1, further comprising transmission means for transmitting, from among the color image data and the monochrome image data stored in the memory medium, image data suitable for a destination apparatus.

3. An image processing apparatus according to Claim 1, further comprising determining means for determining whether a document is one of a color document and a monochrome document, wherein, when said determining means determines in the first mode that the document is a color document, the color image data and the monochrome image data are stored as the document image data in the memory medium.

4. An image processing apparatus according to Claim 1, wherein a document is scanned as a color image and as a

monochrome image, in the first mode, and a document is scanned as the monochrome image, in the second mode.

5. An image processing apparatus according to Claim 1, wherein image data for a plurality of documents, which are continuously scanned, are stored in the memory medium.

6. An image processing apparatus according to Claim 1, wherein the memory medium includes a plurality of partitioned image storage regions, and the document image data is stored in a designated one of the plurality of image storage regions.

7. An image transmitting apparatus comprising mode setting means for setting one of a first mode, in which image data in a plurality of formats are stored as document image data in a memory medium, and, from among the image data in the plurality of formats, image data in a format suitable for a destination apparatus is transmitted to the destination apparatus, and a second mode, in which image data in a single format is stored as the document image data in the memory medium, and the image data in the single format stored in the memory medium is transmitted to the transmission destination.

8. An image transmitting apparatus according to Claim 7, wherein a document is scanned in the plurality of formats in the first mode, and a document is scanned in the single format in the second mode.

9. An image transmitting apparatus according to Claim 8, wherein the document is scanned as a color image and a monochrome image, in the first mode, and the document is scanned as a monochrome image, in the second mode.

10. An image transmitting apparatus according to Claim 7, further comprising determining means for determining a format of a document, wherein image data in a format corresponding to a determination result obtained by said determining means is stored in the memory medium, in the first mode.

11. An image transmitting apparatus according to Claim 10, wherein said determining means determines whether the document is one of a color document and a monochrome document; and

when said determining means determines in the first mode that the document is a color document, color image data and monochrome image data are stored as the document image data in the memory medium.

12. An image transmitting apparatus according to Claim 7, wherein image data for a plurality of documents, which are continuously scanned, are stored in the memory medium.

13. An image transmitting apparatus according to Claim 7, wherein the memory medium includes a plurality of partitioned image storage regions, and the document image data is stored in a designated one of the plurality of image storage regions.

14. A control method for an image processing apparatus for storing document image data, comprising a mode setting step of setting one of a first mode, in which color image data and monochrome image data are stored as the document image data in a memory medium, and a second mode, in which the monochrome image data is stored as the document image data in the memory medium.

15. A control method for an image transmitting apparatus for transmitting document image data to another apparatus, comprising a mode setting step of setting one of a first mode, in which image data in a plurality of formats are stored as the document image data, and, from among the image data in the plurality of formats stored in the memory

medium, image data in a format suitable for a destination apparatus is transmitted to the destination apparatus, and a second mode, in which image data in a single format is stored as the document image data in the memory medium, and the image data in the single format stored in the memory medium is transmitted to the destination apparatus.

16. A program storage medium storing a program for controlling an image processing apparatus for storing document image data, said program comprising a mode setting step, of setting one of a first mode, in which color image data and monochrome image data are stored as the document image data in a memory medium, and a second mode, in which the monochrome image data is stored as the document image data in the memory medium.

17. A program storage medium storing a program for controlling an image transmitting apparatus for transmitting document image data to another apparatus, said program comprising a mode setting step, of setting one of a first mode, in which image data in a plurality of formats are stored as the document image data in a memory medium, and, from among the image data in the plurality of formats stored in the memory medium, image data in a format suitable for a destination apparatus is transmitted to the destination

apparatus, and a second mode, in which image data in a single format is stored as the document image data in the memory medium, and the image data in the single format stored in the memory medium is transmitted to the destination apparatus.